

IN THE SPECIFICATION

Please amend the specification as follows:

On page 15, starting at line 21, delete the following paragraphs:

“FIG. 7 illustrates an embodiment whereby the heater element and its supporting sheath are inserted into the lumen of the catheter of FIG. 1;

FIG. 8 illustrates a calibration circuit having a ROM in accordance with a preferred embodiment of the invention;

FIG. 9 is a schematic cross-sectional view of the catheter of FIG. 1 showing the fiber optic filaments of a fiber optic bundle in one of the lumens in accordance with the invention; and

FIG. 10 is a partial perspective view of a catheter including the fiber optic apparatus in accordance with the invention.”

On page 15, at line 21, add the following paragraphs:

“FIG. 7 illustrates an embodiment whereby the heater element and its supporting sheath are inserted into the lumen of the catheter of FIG. 1; and

FIG. 8 illustrates a calibration circuit having a ROM in accordance with a preferred embodiment of the invention.”

On page 25, at line 3, delete the following paragraphs:

“FIG. 9 shows a fiber optic bundle 910 of fiber optic filaments in one lumen of the catheter body portion 100.

FIG. 10 shows the fiber optic bundle 910 extending into a lumen hub 920 and the fiber optic coupler 930 associated with the catheter.”